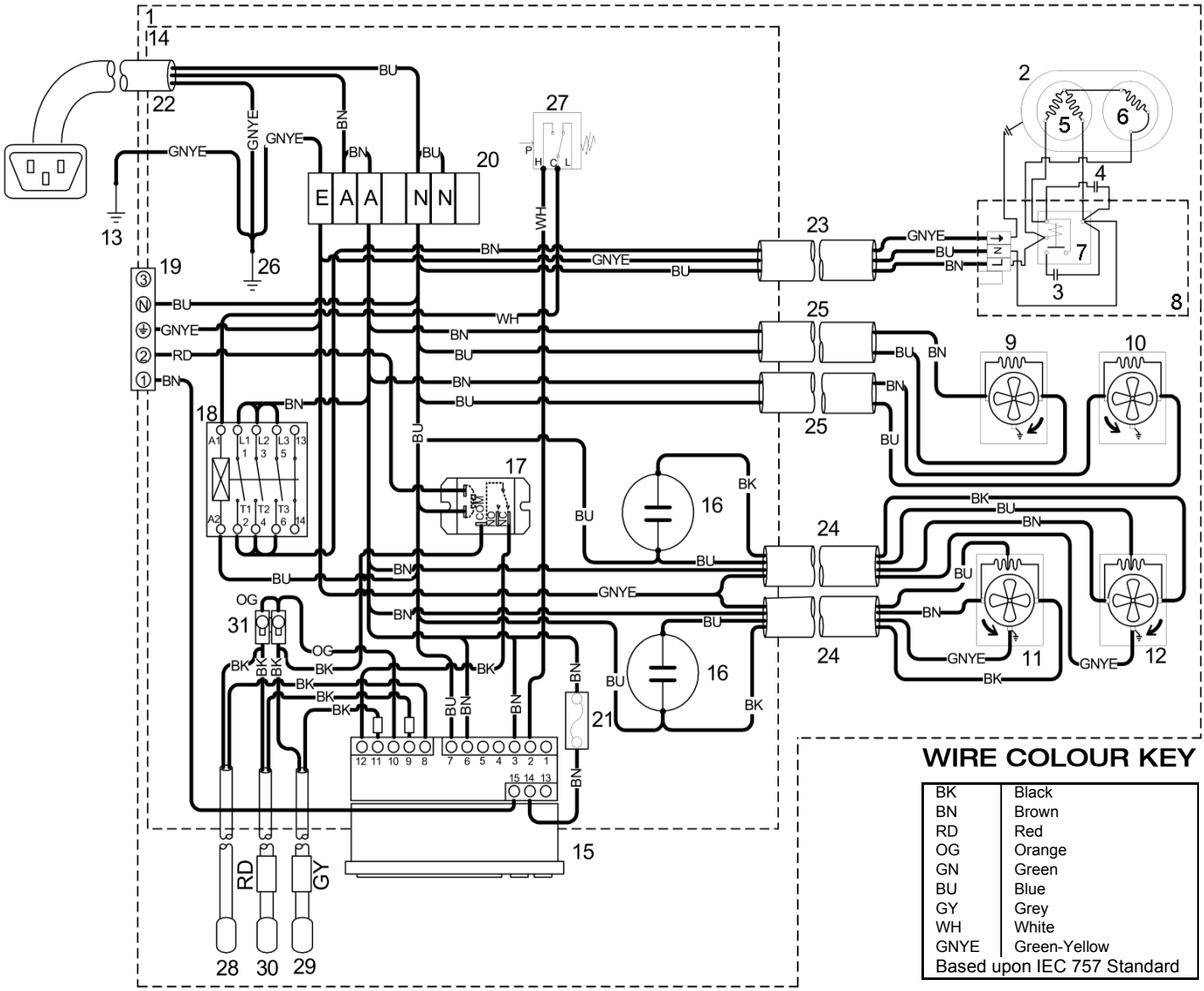
UB80ABC

SKOPE Open Deck Chiller:
Refrigeration Unit Wiring Diagram (CAREL ir33 Controller)



WIRE COLOUR KEY

BK	Black
BN	Brown
RD	Red
OG	Orange
GN	Green
BU	Blue
GY	Grey
WH	White
GNYE	Green-Yellow

Based upon IEC 757 Standard

COMPONENT KEY

1	Refrigeration Unit Assembly	**17**	HONGFA Relay (digital input)
2	Compressor	**18**	Contactor - Compressor
3	Start Capacitor - Compressor	**19**	ENSTO 5-Pole Socket
4	Run Capacitor - Compressor	**20**	7-Pole Terminal Block
5	Compressor Windings	**21**	3 Amp Ceramic Fuse and Holder
6	Thermal Overload - Compressor	**22**	Supply Flex - IEC Appliance Plug
7	Start Relay - Compressor	**23**	Compressor Supply Flex
8	Compressor Electrics Box	**24**	Compressor Fan Supply Flex (2)
9	Evaporator Fan Motor - WDTL 12W (CW rotation - SE*)	**25**	Evaporator Fan Supply Flex (2)
10	Evaporator Fan Motor - WDTL 12W (CCW rotation - SE*)	**26**	Control Box Earth
11	Condenser Fan Motor - FASCO 20W (CCW rotation - SE*)	**27**	Pressure Switch (manual reset)
12	Condenser Fan Motor - FASCO 20W (CThermal Overload - CompressorW rotation - LSE)	**28**	CAREL Temperature Probe - Control
13	Control Box Lid Earth	**29**	CAREL Temperature Probe - Condenser
14	Refrigerator Control Box Assembly	**30**	CAREL Temperature Probe - Evaporator
15	Electronic Controller - CAREL ir33	**31**	3-Pole Connector Block
16	Condenser Fan Capacitor (2)	* LE denotes the motor direction as viewed from the shaft end.	